

Information

about the certification flame-retardant according to the US standard NFPA/701

Fabric • atlanta

colour no. 671..

Certificate-number **178687**

Confirmation The company erfal confirms, that this quality underlies the certificate 178687.



Jörg Erler
Managing Director

erfal stands for quality made in Germany.

Please consider the enclosed care and cleaning instructions to ensure a long service life while preserving the original product characteristics.

For questions about the care of our fabrics please contact:

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Test Report No.: 178687

Date: July 24, 2003

SAMPLES SUBMITTED BY CLIENT AS: Two (2) Rolls
1) Blackout
2) Lo Gain

DATE OF RECEIPT: July 22, 2003

TESTING PERIOD: July 23, 2003

TESTS REQUESTED: Flame Propagation of Textiles and Films

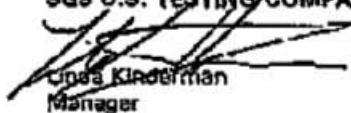
TEST RESULTS: Please refer to the following pages

CONCLUSION: The submitted samples were found to meet the requirements of NFPA 701-1999 Test Method 1.

PREPARED BY:


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Textiles

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY, INC.**


Linda Kinderman
Manager
Textile Laboratory

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Page 1 of 3

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RESULTS:**Flame Propagation of Textiles and Films**

National Fire Protection Association STD. 701/1999-Test Method 1

Conditioning: 220°F ± 5°F oven for 30 minutes

Sample: Blackout

<u>Original wt.</u> (grams)	<u>Post wt.</u> (grams)	<u>After Flame</u> (seconds)	<u>Residue</u> (seconds)	<u>Wt. Loss</u> (percent)
28.1	23.7	0.0	0.0	15.7
28.0	23.8	0.0	0.0	15.0
28.0	23.7	0.0	0.0	15.4
28.4	24.3	0.0	0.0	14.4
28.2	23.9	0.0	0.0	15.7
28.3	23.9	0.0	0.0	15.5
28.4	24.1	0.0	0.0	15.1
28.4	24.2	0.0	0.0	14.8
28.2	24.0	0.0	0.0	14.9
28.8	25.1	0.0	0.0	12.8
		AVG	0.0	14.9
		3*STDEV		2.4
		AVG+3STDEV		17.3

Requirements: Average weight loss shall not be more than 40% and any individual specimen shall not exceed the mean value plus three standard deviations.

**Flaming Fragments
Or Residue:** Shall not continue to flame after reaching the floor of the tester for more than an average of two seconds per specimen for the sample of 10 specimens.

RESULTS:Flame Propagation of Textiles and Films

National Fire Protection Association STD. 701/1999-Test Method 1

Conditioning: 220°F ± 5°F oven for 30 minutes

Sample: Lo Gain

<u>Original wt.</u> (grams)	<u>Post wt.</u> (grams)	<u>After Flame</u> (seconds)	<u>Residue</u> (seconds)	<u>Wt. Loss</u> (percent)
29.1	26.3	0.0	0.0	13.1
28.5	23.9	0.0	0.0	16.1
29.8	24.6	0.0	0.0	14.0
28.6	22.5	0.0	0.0	21.3
28.4	23.4	0.0	0.0	17.6
29.5	24.7	0.0	0.0	13.3
28.5	22.0	0.0	0.0	22.8
28.9	23.0	0.0	0.0	20.4
28.1	23.7	0.0	0.0	15.7
28.7	24.8	0.0	0.0	13.6
		AVG	0.0	16.8
		3*STDEV		10.8
		AVG+3STDEV		27.6

Requirements: Average weight loss shall not be more than 40% and any individual specimen shall not exceed the mean value plus three standard deviations.

**Flaming Fragments
Or Residues:** Shall not continue to flame after reaching the floor of the tester for more than an average of two seconds per specimen for the sample of 10 specimens.

End of Report